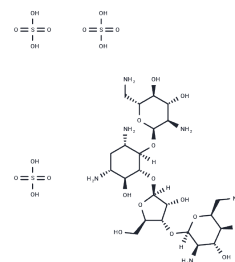


## Framycetin sulfate

### Chemical Properties

CAS No. :	4146-30-9
Formula:	C <sub>23</sub> H <sub>52</sub> N <sub>6</sub> O <sub>25</sub> S <sub>3</sub>
Molecular Weight:	908.86
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Framycetin sulfate (Neomycin Sulphate B) belongs to aminoglycoside class of antibiotics that contain two or more aminosugars connected by glycosidic bonds.
Targets(IC50)	Antibacterial, Antibiotic

### Solubility Information

Solubility	H <sub>2</sub> O: 250 mg/mL (275.07 mM), Sonication is recommended. DMSO: Insoluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1003 mL	5.5014 mL	11.0028 mL
5 mM	0.2201 mL	1.1003 mL	2.2006 mL
10 mM	0.110 mL	0.5501 mL	1.1003 mL
50 mM	0.022 mL	0.110 mL	0.2201 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Quader, S., Boyd, S., Jenkins, I., & Houston, T. (2007). Multisite Modification of Neomycin B: Combined Mitsunobu and Click Chemistry Approach. *The Journal Of Organic Chemistry*, 72(6), 1962-1979. doi: 10.1021/jo0620967

Li J, Fan Y Y, Wen J, et al. Metal-Enhanced Aggregation-Induced Emission Strategy for the HIV-I RNA-Binding Ligand Assay. *Analytical Chemistry*. 2022

Li J, Fan Y Y, Wang M, et al. A Light-Up Strategy with Aggregation-Induced Emission for Identification of HIV-I RNA-Binding Small Molecules[J]. *Analytical Chemistry*. 2020

Li J, Fan Y Y, Wen J, et al. Metal-Enhanced Aggregation-Induced Emission Strategy for the HIV-I RNA-Binding Ligand Assay. *Analytical Chemistry*. 2022, 94(11): 4695-4702

Li J, Fan Y Y, Wang M, et al. A Light-Up Strategy with Aggregation-Induced Emission for Identification of HIV-I RNA-Binding Small Molecules. *Analytical Chemistry*,. 2020

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